

Water-Data Report 2006

12137300 SPADA LAKE NEAR STARTUP, WA

Puget Sound Basin
Skykomish Subbasin

LOCATION.--Lat 47°58'28", long 121°41'10" referenced to North American Datum of 1927, in NW ¼ sec.29, T.29 N., R.9 E., Snohomish County, WA, Hydrologic Unit 17110009, on left bank at Culmback Dam on Sultan River, 1.7 mi downstream from South Fork, 7.8 mi north of Startup, and at mile 16.5.

DRAINAGE AREA.--68.3 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1965 to current year.

REVISED RECORDS.--WDR WA-79-1: 1975-76(M). WA-95-1: 1994.

GAGE.--Nonrecording gage. Datum of gage is NGVD of 1929 (levels by Snohomish County P.U.D. No. 1).

COOPERATION.--Elevation at 1200 and 2400 hours and capacity table furnished by Snohomish County Public Utility District No. 1.

REMARKS.--Reservoir is formed by earthfill dam originally completed to elevation 1,408 ft in 1965. Storage began April 5, 1965, for water supply for the City of Everett.

During 1983 the dam was raised to elevation 1,470 ft with storage beginning November 1983. Capacity was increased to 153,260 acre-ft at elevation 1,450 ft, crest of spillway. Normal operating pool is between elevations 1,420 ft and 1,450 ft.

Figures given herein represent total contents. Spada Lake is used to provide water for the City of Everett, and since June 1, 1984, power generation for Snohomish County Public Utility District No. 1.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 164,599 acre-ft, Nov. 23, 1990, elevation, 1,455.8 ft; minimum contents observed since reservoir was first filled, 4,250 acre-ft, Sept. 30, 1967, elevation, 1,301.28 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 149,433 acre-ft, June 6, elevation, 1,447.9 ft; minimum contents observed, 83,653 acre-ft, Dec. 18, 20, elevation, 1,406.9 ft.

MONTH-END GAGE HEIGHT AND CONTENTS AT 2400
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Date	Elevation (feet)	Contents (acre-feet)	Change in contents
September 30	1415.9	96,296	--
October 31	1424.8	109,804	+13,508
November 30	1417	97,887	-11,917
December 31	1430.1	118,185	+20,298
Calendar Year 2005	+0		
January 31	1440.5	135,942	+17,757
February 28	1425.8	111,383	-24,559
March 31	1419.8	101,936	-9,447
April 30	1432.1	121,588	+19,652
May 31	1446.5	146,880	+25,292
June 30	1443.5	141,411	-5,469
July 31	1432.2	121,758	-19,653
August 31	1418.8	100,490	-21,268
September 30	1407.1	83,919	-16,571
Water Year 2006	--	--	-12,377